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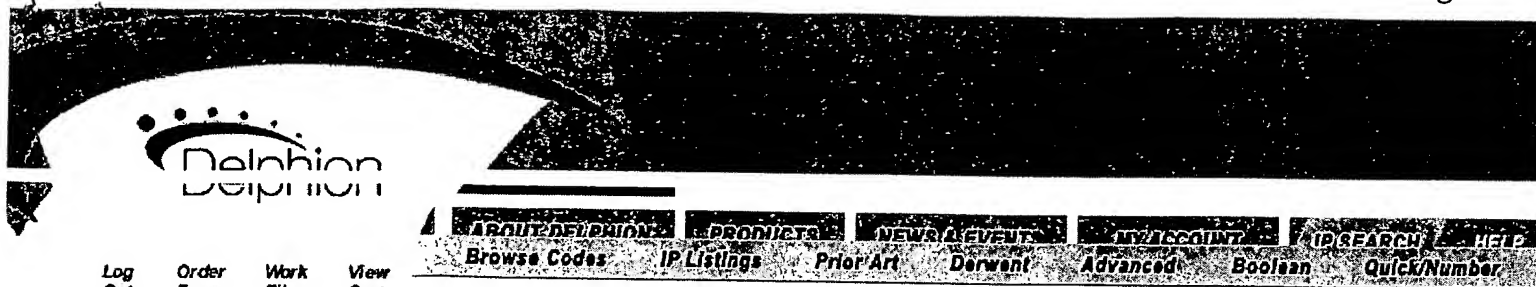
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Title: **JP2001307688A2: PACKING MATERIAL FOR LITHIUM ION BATTERY**

Country: **JP Japan**
Kind: **A2 Document Laid open to Public inspection**

Inventor(s): **YAMASHITA RIKIYA
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MIYAMA HIROSHI**

Applicant/Assignee: **DAINIPPON PRINTING CO LTD**
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Issued/File Dates: **Nov. 2, 2001 / April 19, 2000**

Application Number: **JP2000000118300**

IPC Class: **H01M 2/02; H01M 10/40;**

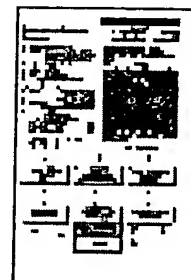
Priority Number(s): **April 19, 2000 JP2000000118300**

Abstract: **Problem to be solved:** To provide a manufacturing method of a packing material for a lithium ion battery that is used as a material for packing a lithium ion battery, and that has excellent protective physical properties of the lithium ion battery main body and improved productivity in an emboss molding process or the like.
Solution: This packing material for a lithium ion battery is composed of at least a base-material layer, an adhesive layer, aluminum, a conversion treatment layer and a sealant layer, and the resin constituting the sealant layer comprises 0.5 weight % to 10 weight % of one, or two and more of such agents as fluid paraffin, a fatty-acid-ester-system lubricant, a dispersing agent consisting of polyester-system surfactants, and a polyglycerin-ester-system additive. The conversion treatment is potassium chromate treatment, and the resin constituting the sealant layer is random propylene, linear low-density polyethylene and medium-density polyethylene. The sealant layer has a multilayer structure composed of two or more layers, and the innermost resin layer of the sealant layer with the multilayer structure contains the additive.
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Family: [Show known family members](#)

Other Abstract Info: none

Foreign References: No patents reference this one



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(19)

(11) Publication number: **2001307688 A**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **2000118300**(51) Intl. Cl.: **H01M 2/02 H01M 10/40**(22) Application date: **19.04.00**

(30) Priority:

(43) Date of application
publication: **02.11.01**(84) Designated contracting
states:(71) Applicant: **DAINIPPON PRINTING CO LTD**(72) Inventor: **YAMASHITA RIKIYA
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**(54) PACKING MATERIAL
FOR LITHIUM ION
BATTERY**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a manufacturing method of a packing material for a lithium ion battery that is used as a material for packing a lithium ion battery, and that has excellent protective physical properties of the lithium ion battery main body and improved productivity in an emboss molding process or the like.

SOLUTION: This packing material for a lithium ion battery is composed of at least a base-material layer, an adhesive layer, aluminum, a conversion treatment layer and a sealant layer, and the resin constituting the sealant layer comprises 0.5 weight % to 10 weight % of one, or two and more of such agents as fluid paraffin, a fatty-acid-ester-system lubricant, a dispersing agent consisting of polyester-system surfactants, and a polyglycerin-ester-system additive. The conversion treatment is potassium chromate

treatment, and the resin constituting the sealant layer is random propylene, linear low-density polyethylene and medium-density polyethylene. The sealant layer has a multilayer structure composed of two or more layers, and the innermost resin layer of the sealant layer with the multilayer structure contains the additive.

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